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ORIGINAL/SUBSTITUTE/SUPPLEMENTAL  
DECLARATIONS

RULE 63 (37 C.F.R. )  
DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PM & S  
FORM

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the INVENTION ENTITLED PRODUCTION OF HYDROXYLATED FATTY ACIDS IN GENETICALLY MODIFIED PLANTS

the specification of which (CHECK applicable BOX(ES) )  
X → ☐ is attached hereto.  
BOX(ES) → ☒ was filed on August 6, 1998 as U.S. Application No. 09/117,921  
→ ☒ was filed as PCT International Application No. PCT/ US97/02187 on February 6, 1997  
and (if applicable to U.S. or PCT application) was amended on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate filed by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application:

**PRIOR FOREIGN APPLICATION(S)**

Number	Country	Day/MONTH/Year Filed	Date first Laid-open or Published	Date Patented or Granted	Priority Claimed Yes No
--------	---------	----------------------	-----------------------------------	--------------------------	----------------------------

I hereby claim domestic priority benefit under 35 U.S.C. 119/120/365 of the indicated United States applications listed below and PCT international applications listed above or below and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of each such prior application and the national or PCT International filing date of this application:

**PRIOR U.S. PROVISIONAL, NONPROVISIONAL AND/OR PCT APPLICATION(S)**

Application No. (series code/serial no.)	Day/MONTH/Year Filed	Status pending, abandoned, patented	Priority Claimed Yes No
PCT/US97/02187	06/February/1997		X
08/597,313	06/February/1996	Pending	X
08/530,862	20/September/1995	Pending	X

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

And I hereby appoint Pillsbury Madison & Sutro LLP, Intellectual Property Group, 1100 New York Avenue, N.W., Ninth Floor, East Tower, Washington, D.C. 20005-3918, telephone number (202) 861-3000 (to whom all communications are to be directed), and the below-named persons (of the same address) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to delete names/numbers below of persons no longer with their firm and to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above Firm and/or a below attorney in writing to the contrary.

Name	Address	City	State/Foreign Country	Country of Citizenship			
Paul N. Kokulis	16773	David W. Brinkman	20817	G. Paul Edgell	24238	Richard H. Zaitlen	27248
Raymond F. Lippitt	17519	Donald J. Bird	25323	Lynn E. Eccleston	35861	Roger R. Wise	31204
G. Lloyd Knight	17698	Peter W. Gowdey	25872	Timothy J. Klima	34852	Jay M. Finkelstein	21082
Carl G. Love	18781	Dale S. Lazar	28872	David A. Jakopin	32995	Anita M. Kirkpatrick	32617
Edgar H. Martin	20534	Paul E. White, Jr.	32011	Mark G. Paulson	30793		
William K. West, Jr.	22057	Glenn J. Perry	28458	Stephen C. Glazier	31361		
Kevin E. Joyce	20508	Kendrew H. Colton	30368	Paul F. McQuade	31542		
George M. Sirilla	18221	Michelle N. Lester	32331	Ruth N. Morduch	31044		

(1) INVENTOR'S SIGNATURE: \_\_\_\_\_

Date: 10-6-98

Pierre	BROUN		
First	Middle Initial	Family Name	
Residence	Burlingame	California	France
City	State/Foreign Country	Country of Citizenship	
Post Office Address	1249 Capuchino, Burlingame, California		
(include Zip Code)	94010		

(2) INVENTOR'S SIGNATURE: \_\_\_\_\_

Date: \_\_\_\_\_

Frank	van de LOO		
First	Middle Initial	Family Name	
Residence	Weston	Australia	Australia
City	State/Foreign Country	Country of Citizenship	
Post Office Address	11 Fowles Street, Weston, ACT 2611, Australia		
(include Zip Code)			

(FOR ADDITIONAL INVENTORS, check box ☒ to attach PAT 116-2 same information for each re signature, name, date, citizenship, residence and address.)

## DECLARATION AND POWER OF ATTORNEY

(continued)

## ADDITIONAL INVENTORS

(3) INVENTOR'S SIGNATURE: *Bekhar*Date: *10/2/98*

First		Middle Initial		Family Name	
Residence	Manchester	Missouri		India	
City		State/Foreign Country		Country of Citizenship	
Post Office Address		572 Enchanted Parkway, Manchester, Missouri			
(include Zip Code)		63021			

(4) INVENTOR'S SIGNATURE:

Date:

First		Middle Initial		Family Name	
Residence	Portola Valley	California		United States	
City		State/Foreign Country		Country of Citizenship	
Post Office Address		5 Valley Oak, Portola Valley, California			
(include Zip Code)		94028			

(5) INVENTOR'S SIGNATURE:

Date:

First		Middle Initial		Family Name	
Residence					
City		State/Foreign Country		Country of Citizenship	
Post Office Address					
(include Zip Code)					

(6) INVENTOR'S SIGNATURE:

Date:

First		Middle Initial		Family Name	
Residence					
City		State/Foreign Country		Country of Citizenship	
Post Office Address					
(include Zip Code)					

(7) INVENTOR'S SIGNATURE:

Date:

First		Middle Initial		Family Name	
Residence					
City		State/Foreign Country		Country of Citizenship	
Post Office Address					
(include Zip Code)					

(8) INVENTOR'S SIGNATURE:

Date:

First		Middle Initial		Family Name	
Residence					
City		State/Foreign Country		Country of Citizenship	
Post Office Address					
(include Zip Code)					

(9) INVENTOR'S SIGNATURE:

Date:

First		Middle Initial		Family Name	
Residence					
City		State/Foreign Country		Country of Citizenship	
Post Office Address					
(include Zip Code)					

FOR UTILITY/DESIGN  
CIP/PCT NATIONAL/PLANT  
ORIGINAL/SUBSTITUTE/SUPPLEMENTAL  
DECLARATIONS

RULE 63 (37 C.F.R. 3)  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PM & S  
FORM

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the INVENTION ENTITLED PRODUCTION OF HYDROXYLATED FATTY ACIDS IN GENETICALLY MODIFIED PLANTS

the specification of which (CHECK applicable BOX(ES))  
X → ☐ is attached hereto.  
BOX(ES) → ☒ was filed on August 6, 1998 as U.S. Application No. 09/117,921  
→ ☒ was filed as PCT International Application No. PCT/US97/02187 on February 6, 1997  
and (if applicable to U.S. or PCT application) was amended on  
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PRIOR FOREIGN APPLICATION(S) Number	Country	Day/MONTH/Year Filed	Date first Laid- open or Published	Date Patented or Granted	Priority Claimed Yes No
--	---------	----------------------	---------------------------------------	-----------------------------	----------------------------

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PRIOR U.S. PROVISIONAL, NONPROVISIONAL AND/OR PCT APPLICATION(S) Application No. (series code/serial no.)	Day/MONTH/Year Filed	Status pending, abandoned, patented	Priority Claimed Yes No
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08/597,313	06/February/1996	Pending	X
08/530,862	20/September/1995	Pending	X

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

And I hereby appoint Pillsbury Madison & Sutro LLP, Intellectual Property Group, 1100 New York Avenue, N.W., Ninth Floor, East Tower, Washington, D.C. 20005-3918, telephone number (202) 861-3000 (to whom all communications are to be directed), and the below-named persons (of the same address) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to delete names/numbers below of persons no longer with their firm and to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above firm and/or a below attorney in writing to the contrary.

Paul N. Kokulis	16773	David W. Brinkman	20817	G. Paul Edgell	24238	Richard H. Zaitlen	27248
Raymond F. Lippitt	17519	Donald J. Bird	25323	Lynn E. Eccleston	35861	Roger R. Wise	31204
G. Lloyd Knight	17698	Peter W. Gowdey	25872	Timothy J. Klima	34852	Jay M. Finkelstein	21082
Carl G. Love	18781	Dale S. Lazar	28872	David A. Jakopin	32995	Anita M. Kirkpatrick	32617
Edgar H. Martin	20534	Paul E. White, Jr.	32011	Mark G. Paulson	30793		
William K. West, Jr.	22057	Glenn J. Perry	28458	Stephen C. Glazier	31361		
Kevin E. Joyce	20508	Kendrew H. Colton	30368	Paul F. McQuade	31542		
George M. Sirilla	18221	Michelle N. Lester	32331	Ruth N. Morduch	31044		

(1) INVENTOR'S SIGNATURE:

Date:

Pierre	BROUN	
First	Middle Initial	Family Name
Residence	Burlingame	California
City	State/Foreign Country	Country of Citizenship
Post Office Address	1249 Capuchino, Burlingame, California	
(include Zip Code)	94010	

(2) INVENTOR'S SIGNATURE:

Date: 10/3/98

Frank	van de LOO	
First	Middle Initial	Family Name
Residence	Weston	LYONS
City	State/Foreign Country	Country of Citizenship
Post Office Address	41 Fowles Street, Weston, ACT 2611, Australia	
(include Zip Code)	3 RISDON PL, LYONS ACT 2606, AUSTRALIA	

(FOR ADDITIONAL INVENTORS, check box ☒ to attach PAT 116-2 same information for each re signature, name, date, citizenship, residence and address.)

DECLARATION AND POWER OF ATTORNEY  
(continued)  
ADDITIONAL INVENTORS

(3) INVENTOR'S SIGNATURE:

Date:

S. BODDUPALLI			
First	Middle Initial	Family Name	
Residence	Manchester	Missouri	India
City		State/Foreign Country	Country of Citizenship
Post Office Address	572 Enchanted Parkway, Manchester, Missouri		
(include Zip Code)	63024		

(4) INVENTOR'S SIGNATURE:

Date: 9/26/98

Chris SOMERVILLE			
First	Middle Initial	Family Name	
Residence	Portola Valley	California	United States
City		State/Foreign Country	Country of Citizenship
Post Office Address	5 Valley Oak, Portola Valley, California		
(include Zip Code)	94028		

(5) INVENTOR'S SIGNATURE:

Date:

First	Middle Initial	Family Name	
Residence			
City		State/Foreign Country	Country of Citizenship
Post Office Address			
(include Zip Code)			

(6) INVENTOR'S SIGNATURE:

Date:

First	Middle Initial	Family Name	
Residence			
City		State/Foreign Country	Country of Citizenship
Post Office Address			
(include Zip Code)			

(7) INVENTOR'S SIGNATURE:

Date:

First	Middle Initial	Family Name	
Residence			
City		State/Foreign Country	Country of Citizenship
Post Office Address			
(include Zip Code)			

(8) INVENTOR'S SIGNATURE:

Date:

First	Middle Initial	Family Name	
Residence			
City		State/Foreign Country	Country of Citizenship
Post Office Address			
(include Zip Code)			

(9) INVENTOR'S SIGNATURE:

Date:

First	Middle Initial	Family Name	
Residence			
City		State/Foreign Country	Country of Citizenship
Post Office Address			
(include Zip Code)			



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JUNE 04, 1999

PTAS

PILLSBURY MADISON & SUTRO LLP  
PAUL N. KOKULIS  
1100 NEW YORK AVENUE, N.W.  
NINTH FLOOR, EAST TOWER  
WASHINGTON, D.C. 20005-3918



\*100991663A\*

255164

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/04/1999

REEL/FRAME: 9828/0524  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
SOMERVILLE, CHRIS

DOC DATE: 09/26/1998

ASSIGNOR:  
VAN DE LOO, FRANK

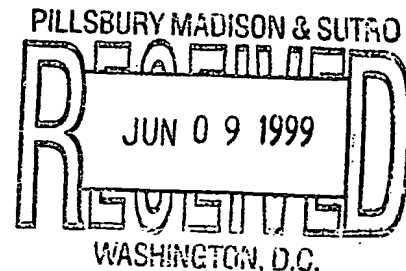
DOC DATE: 10/03/1998

ASSIGNEE:  
CARNEGIE INSTITUTION OF WASHINGTON  
1530 P STREET, N.W.  
WASHINGTON, D.C. 20005

SERIAL NUMBER: 09117921  
PATENT NUMBER:

FILING DATE: 03/04/1999  
ISSUE DATE:

KIMBERLY WHITE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



03-24-1999



100991663

RECORDATION FORM COVER SHEET

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PATENT APPLICATIONS &amp; PATENTS ONLY

TO THE ASSISTANT COMMISSIONER OF PATENTS AND TRADEMARKS:  
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

- |                     |                     |
|---------------------|---------------------|
| 1.                  | 2.                  |
| 3. Chris SOMERVILLE | 4. Frank van de LOO |
| 5.                  | 6.                  |
| 7.                  | 8.                  |

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: CARNEGIE INSTITUTION OF WASHINGTON

ADDRESS: 1530 P Street, N.W., Washington, D.C. 20005

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)☒ ASSIGNMENT OF ☒ WHOLE ☐ PART INTEREST

EXEC. DATE: September 26, 1998 and October 3, 1998

☐ CHANGE OF NAME ☐ ACCURATE TRANSLATION  
☐ SECURITY ☐ MERGER ☐ OTHER:

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) October 3, 1999

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO

A: PAT. APP. NO.(S) series code/serial no.	M#	1 <sup>st</sup> INVENTOR if not in item 1	B: PATENT NO(S)	M#	1 <sup>st</sup> INVENTOR if not in item 1
09/117,921	255164				

5. Name & Address of Party to Whom Correspondence  
Concerning Document Should be Mailed:

Pillsbury Madison & Sutro LLP  
Intellectual Property Group  
1100 NEW YORK AVENUE, N.W.  
NINTH FLOOR, EAST TOWER  
WASHINGTON, D.C. 20005-3918

6. NUMBER INVOLVED:

APPLNS 1 + PATS \_\_\_\_ = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)

ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE  
INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975

UNDER ORDER NO	20263	255164
dup. sheet not required	CLIENT NO.	MATTER NO.

PMS 255164

MATTER NO.

CLIENT REF.

03/08/1999 PVDLPE 00000111 09117921

02 03-589 STATEMENT AND SIGNATURE OF OP

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)	3
---	---

Attorney: Paul N. Kokulis

Reg. No. 16773

Atty/Sec: PNK/PEV/mjg

TEL: (202) 861-3503

Date: March 4, 1999

FAX: (202) 822-0944

FILE WITH PTO RETURN RECEIPT (PAT-103A)

Please return signed/recorded to:

Pillsbury Madison & Sutro LLP  
Intellectual Property Group  
Ninth Floor, East Tower  
1100 New York Avenue, N.W.  
Washington, D.C. 20005-3918

Atty. Dkt.

F...S 255164

20263

M#

Client Ref.

**ASSIGNMENT**  
**of U.S. Origin Patent Application**  
**(to Corporation)**  
**(or Limited Partnership)**

WHEREAS, the undersigned, to wit:

1) Chris SOMERVILLE

2) Frank van de LOO

3)

4)

(hereinafter collectively ASSIGNOR), has/have made an invention known as Dkt. 20263/255164

and entitled: PRODUCTION OF HYDROXYLATED FATTY ACIDS IN GENETICALLY MODIFIED PLANTS

for which an application for Letters Patent of the United States

☐ was executed even date herewith and is about to be filed in the United States Patent and Trademark Office;

☒ was filed on August 6, 1998, Appln. No. 09/117,921;

AND WHEREAS CARNEGIE INSTITUTION OF WASHINGTON (hereinafter ASSIGNEE), ☒ a corporation ☐ Limited Partnership duly organized and existing under the laws of the State of District of Columbia and having its principal office and place of business at 1530 P Street, N.W., Washington, D.C. 20005, desires to acquire an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and to all continuations, divisions, reissues and substitutes of said application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.



AND ASSIGNOR hereby agrees to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

ASSIGNOR furthermore agrees upon request of said ASSIGNEE, and without further remuneration, to execute any and all papers desired by said ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE.

NOTE: The undersigned hereby authorizes Pillsbury Madison & Sutro LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

Executed on the date(s) below indicated.

Signature

Date Signed

Witness

1) Chris Somerville  
Name: Chris SOMERVILLE

9/26/98

Witness Signature

2) Frank van de LOO  
Name: Frank van de LOO

10/3/98

Witness Signature

3) \_\_\_\_\_  
Name: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4) \_\_\_\_\_  
Name: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
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JUNE 04, 1999

PTAS



PILLSBURY MADISON & SUTRO LLP  
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1100 NEW YORK AVENUE, NW  
NINTH FLOOR, EAST TOWER  
WASHINGTON, DC 20005

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RECORDATION DATE: 03/04/1999

REEL/FRAME: 9828/0537  
NUMBER OF PAGES: 3

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ASSIGNOR:  
BROUN, PIERRE

DOC DATE: 10/06/1998

ASSIGNOR:  
BODDUPALLI, SEKHAR S.

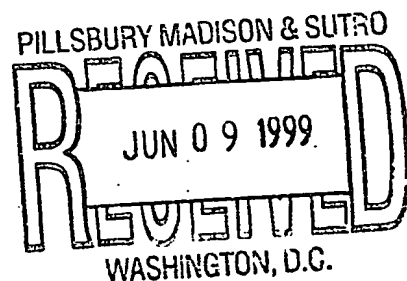
DOC DATE: 10/06/1998

ASSIGNEE:  
MONSANTO COMPANY, INC.  
700 CHESTERFIELD PARKWAY NORTH  
ST. LOUIS, MISSOURI 63198

SERIAL NUMBER: 09117921  
PATENT NUMBER:

FILING DATE: 03/04/1999  
ISSUE DATE:

TARA WASHINGTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



BOX

03-24-1999

TO/PCT Rec'd 4 MAR 1999

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APPLICATIONS & PATENTS ONLY

TO T

100991667

ENTS AND TRADEMARKS:

SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

## 1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

1. Pierre BROWN

3.

5.

7.

2. Sekhar S. BODDUPALLI

4.

6.

8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NO

## 2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: MONSANTO COMPANY, INC.

ADDRESS: 700 Chesterfield Parkway North, St. Louis, Missouri 63198

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

## 3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)☒ ASSIGNMENT OF ☒ WHOLE ☐ PART INTEREST

EXEC. DATE: October 6, 1998

☐ CHANGE OF NAME ☐ ACCURATE TRANSLATION  
☐ SECURITY ☐ MERGER ☐ OTHER:

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) October 6, 1998

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO

A. PAT. APP. NO.(S) series code/serial no	M#	1 <sup>st</sup> INVENTOR if not in item 1	B. PATENT NO(S) M#	1 <sup>st</sup> INVENTOR if not in item 1
09/117,921	255164			

5. Name & Address of Party to Whom Correspondence  
Concerning Document Should be Mailed:Pillsbury Madison & Sutro LLP  
Intellectual Property Group  
1100 NEW YORK AVENUE, N.W.  
NINTH FLOOR, EAST TOWER  
WASHINGTON, D.C. 20005-3918

6. NUMBER INVOLVED:

APPLNS 1 + PATS \_\_\_\_ = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)  
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

PMS 255164

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE  
INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975

UNDER ORDER NO

20263

255164

MATTER NO.

CLIENT REF.

dup. sheet not required

CLIENT NO.

MATTER NO.

## 9. STATEMENT AND SIGNATURE.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

10. Total number of pages including this  
cover sheet, attachments and document  
(do not file dup. Cover sheet)

3

13/08/1999 PUBLPE 00000111 09/117921

3 C:581

Signature

Paul N. Kokulis  
Reg No 16773

Attorney: Paul N. Kokulis

Reg. No. 16773

Atty/Sec: PNK/PEV/mjg

TEL: (202) 861-3503

Date: March 4, 1999

FAX: (202) 822-0944

FILE WITH PTO RETURN RECEIPT (PAT-103A)

Please return signed/recorded to:  
Pillsbury Madison & Sutro LLP  
Intellectual Property Group  
Ninth Floor, East Tower  
1100 New York Avenue, N.W.  
Washington, D.C. 20005-3918

Atty. Dkt.	PMS 255164	20263
	M#	Client Ref.

**ASSIGNMENT**  
**of U.S. Origin Patent Application**  
**(to Corporation)**  
**(or Limited Partnership)**

WHEREAS, the undersigned, to wit:

- 1) Pierre BROUN
- 2) Sekhar S. BODDUPALLI
- 3) \_\_\_\_\_
- 4) \_\_\_\_\_

(hereinafter collectively ASSIGNOR), has/have made an invention known as Dkt. 20263/255164  
and entitled: PRODUCTION OF HYDROXYLATED FATTY ACIDS IN GENETICALLY MODIFIED PLANTS  
for which an application for Letters Patent of the United States

☐ was executed even date herewith and is about to be filed in the United States Patent and Trademark Office;  
☒ was filed on August 6, 1998, Appln. No. 09/117,921;

AND WHEREAS MONSANTO COMPANY, INC. (hereinafter ASSIGNEE), ☒ a corporation ☐ Limited Partnership duly organized and existing under the laws of the State of Missouri and having its principal office and place of business at 700 Chesterfield Parkway North, St. Louis, Missouri 63198, desires to acquire an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and to all continuations, divisions, reissues and substitutes of said application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.

AND ASSIGNOR hereby agrees to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

ASSIGNOR furthermore agrees upon request of said ASSIGNEE, and without further remuneration, to execute any and all papers desired by said ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE.


NOTE: The undersigned hereby authorizes Pillsbury Madison & Sutro LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

Executed on the date(s) below indicated.

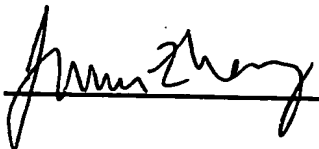
Signature

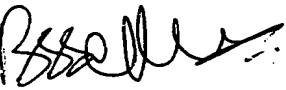
Date Signed

Witness

1)   
Name: Pierre BROUN

10-6-98



2)   
Name: Sekhar S.  
BODDUPALLI

3) \_\_\_\_\_  
Name:

4) \_\_\_\_\_  
Name:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Pierre BROUN *et al.*

Serial No.: 09/117,921

Group Art Unit: 1638

Filed: March 4, 1999

Examiner: Elizabeth F. McElwain

Title: PRODUCTION OF HYDROXYLATED FATTY ACIDS IN GENETICALLY MODIFIED PLANTS

**REVOCATION OF ORIGINAL POWER OF ATTORNEY**  
**AND GRANT OF NEW POWER OF ATTORNEY**

Honorable Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

Sir:

Assignee, by virtue of assignment recorded on Reel and Frame given below, hereby revokes the previous Power of Attorney in the U.S. application serial number shown below and hereby grants in respect of said application power of attorney to the registered practitioners of Morgan, Lewis & Bockius LLP included in the Customer Number provided below to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith. Assignee further directs that all correspondence be addressed to the Customer Number given below:

**Customer Number: 009629**

**Serial No.**

**Date Filed**

**Assignment Reel/Frame**

09/117,921

March 4, 1999

9828/0524

Please direct all telephone inquiries to:

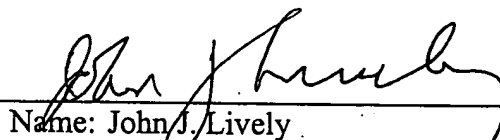
**Paul N. Kokulis**  
**Morgan, Lewis & Bockius LLP**  
**1111 Pennsylvania Avenue, N.W.**  
**Washington, D.C. 20004**  
**Telephone: (202) 739-5455**

Certificate under 37 C.F.R. 3.73 (b)

Carnegie Institution of Washington, a corporation located in Washington, D.C., certifies that it is the assignee of the entire right, title and interest in the patent application identified above. An assignment from the inventor(s) of the patents and patent applications identified above was recorded as indicated above. To the best of the undersigned's knowledge and belief, title is in the assigned identified above. The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001. Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

CARNEGIE INSTITUTION OF WASHINGTON



Name: John J. Lively

Title: Director of Administration and Finance

Date: March 12, 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Pierre BROUN et al.

Serial No. 09/117,921

Group Art Unit: 1638

Filed: March 4, 1999

Examiner: Elizabeth F. McElwain

Title: PRODUCTION OF HYDROXYLATED FATTY ACIDS IN GENETICALLY MODIFIED PLANTS

**REVOCATION OF ORIGINAL POWER OF ATTORNEY**  
**AND GRANT OF NEW POWER OF ATTORNEY**

Honorable Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

Sir:

Assignee, by virtue of assignment recorded on Reel and Frame given below, hereby revokes the previous Power of Attorney in the U.S. application serial number shown below and hereby grants in respect of said application power of attorney to the registered practitioners of Morgan, Lewis & Bockius LLP included in the Customer Number provided below to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith. Assignee further directs that all correspondence be addressed to the Customer Number given below:

**Customer Number: 009629**

<u>Serial No.</u>	<u>Date Filed</u>	<u>Assignment Reel/Frame</u>
09/117,921	March 4, 1999	9828/0537



Please direct all telephone inquiries to:

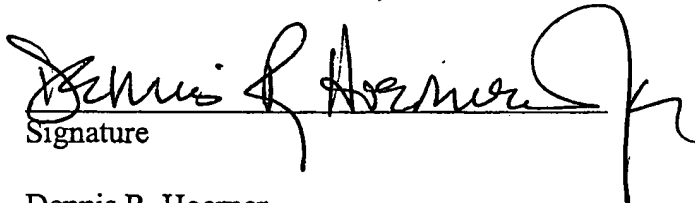
**Paul N. Kokulis**  
**Morgan, Lewis & Bockius LLP**  
**1111 Pennsylvania Avenue, N.W.**  
**Washington, D.C. 20004**  
**Telephone: (202) 739-5455**

Certificate under 37 C.F.R. 3.73(b)

Monsanto Company, Inc., a corporation located in St. Louis, Missouri, certifies that it is the assignee of the entire right, title and interest in the patent application identified above. As assignment from the inventor(s) of the patents and patent applications identified above was recorded as indicated above. To the best of the undersigned's knowledge and believe, title is in the assigned identified above. The undersigned (whose title is supposed below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein on my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001. Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

MONSANTO COMPANY, INC.

  
Signature

Dennis R. Hoerner  
Intellectual Property Counsel

Date: 5-14-02

Dennis R. Hoerner  
Intellectual Property Counsel  
Authorized to sign this document for  
Monsanto Company by resolution  
of the board of Directors  
dated September 20, 2000



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/117,921	03/04/1999	PIERRE BROUN	PM255164

CONFIRMATION NO. 8452

009629  
MORGAN LEWIS & BOCKIUS LLP  
1111 PENNSYLVANIA AVENUE NW  
WASHINGTON, DC 20004



Date Mailed: 06/05/2002

**NOTICE REGARDING POWER OF ATTORNEY**

This is in response to the Power of Attorney filed 05/30/2002.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

RECEIVED  
JUN 10 2002  
MORGAN LEWIS & BOCKIUS LLP

*GW*  
GWENDOLYN PAYNE  
1600 (703) 305-2475

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*Se 100-5005*  
*SAW* Date *6-11-02*



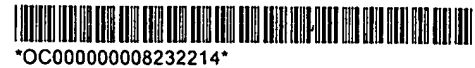
**UNITED STATES PATENT AND TRADEMARK OFFICE**

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/117,921	03/04/1999	PIERRE BROWN	PM255164

009629  
MORGAN LEWIS & BOCKIUS LLP  
1111 PENNSYLVANIA AVENUE NW  
WASHINGTON, DC 20004

**CONFIRMATION NO. 8452**



\*OC000000008232214\*

Date Mailed: 06/05/2002

**NOTICE REGARDING POWER OF ATTORNEY**

This is in response to the Power of Attorney filed 05/30/2002.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

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MORGAN LEWIS & BOCKIUS LLP

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